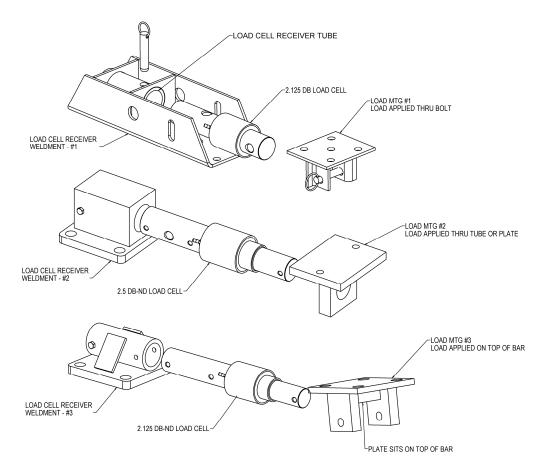


Typical Mount Design for Digi-Star "DB" Load Cells

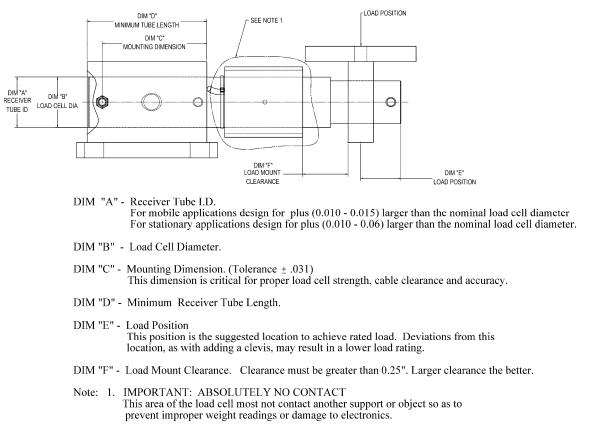


Introduction:

Every effort is made by Digi-Star to ensure that all load cells are properly calibrated. By using standards traceable to the National Institute of Standards and Technology (NIST), Digi-Star pre-calibrates all its load cells to be matched to within $\pm 0.5\%$. Some load cells are matched even tighter to within $\pm 0.1\%$.

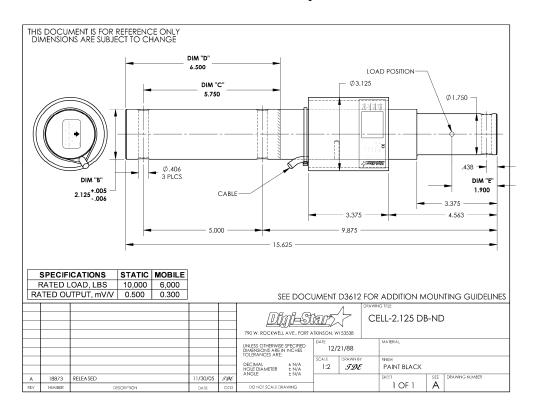
Even though Digi-Star load cells are precisely calibrated, many factors can affect their accuracy. This document is written to offer the OEM general guidelines in the design of load cell mounts for their mobile scale system using DB (differential bending) - ND (neck down) load cells.

Finally, it should be stated that Digi-Star is here to help in the design, installation, and testing of new and existing scale systems. The best time to ask for assistance is during the design phase, before problems can arise. With proper guidance, we at Digi-Star can help the OEM provide their customers with a reliable and easy-to-maintain Digi-Star scale system.



Sales Drawings:

Every Digi-Star load cell has a sales drawing and CAD models that are available upon request. This drawing details the load cell's dimensions, rated loads, and nominal outputs.



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